



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2007

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**180.00**

Complete If Known	
Application Number	10/533,147
Filing Date	April 27, 2005
First Named Inventor	MAEDA, et al.
Examiner Name	Seyed Masoud Malekzadeh
Art Unit	1722
Attorney Docket No.	1110/94198

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 23-0920 Deposit Account Name: Welsh & Katz, Ltd.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Small Entity	Small Entity	Small Entity	Small Entity	Small Entity		
	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Small Entity	
	Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims **Extra Claims** **Fee (\$)** **Fees Paid (\$)**

_____ - 20 or HP = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20

Indep. Claims **Extra Claims** **Fee (\$)** **Fees Paid (\$)**

_____ - 3 or HP = _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fees Paid (\$)
_____	_____	_____ /50= _____ (round up to a whole number)	_____ x _____	_____

4. OTHER FEE(S)

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge): <u>Information Disclosure Statement/Submission 1449-PTO</u>	<u>180.00</u>

SUBMITTED BY

Signature	<u>Gerald T. Shekleton</u>	Registration No. 27.466 (Attorney/Agent)	Telephone
Name (Print/Type)	Gerald T. Shekleton	Date <u>June 18, 2007</u>	



94198

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application

Applicant: MAEDA et al.

Serial No.: 10/533,147

Filed: April 26, 2005

For: METHOD FOR PRODUCING SILICON WAFER

) Art Unit: 1722

)

) Confirmation No.:

) 5289

)

) I hereby certify that this
) correspondence is being
) deposited with the United Postal
) Service as first class mail in an
) envelope addressed to:
) Mailstop Amendment /
) Commissioner for Patents / PO
Box 1450 / Alexandria, Virginia
22313-1450, on June 18, 2007.

Gerald T. Shekleton Reg.
No. 27,466

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.97, a list of documents is disclosed on the attached Form PTO-1449 that may be material to the examination of this application.

No inferences should be drawn that the attached list represents a comprehensive investigation, or that any material disclosed is equivalent to the subject invention. In addition, none of the documents that have publication dates prior to the priority date of the above application anticipate the invention in this application.

The cited document(s) disclose numerous specific features. There has been no attempt to list each and every feature disclosed by each document. The Examiner is requested to review the

06/21/2007 SSESHE1 00000029 10533147

180.00 OP

01 FC:1806

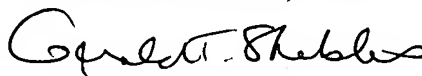
document(s) and determine the extent of the materiality of the document disclosures with respect to the present invention.

The discussion of any art and the citation of any document(s) herein is not to be construed as an admission that the art or document disclosure is necessarily within the invention field of endeavor, that the art or document disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that the art or document disclosure is otherwise necessarily prior art as defined by patent law with respect to the instant invention and application.

Also, there is observed the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosures of the art and document(s) recited herein, that may be cited by the Examiner in rejecting a claim in the instant patent application. The recitation herein of the art and document(s) is not to be construed as an assertion that more pertinent art could not possibly be in existence.

Respectfully submitted,

WELSH & KATZ, LTD.



Gerald T. Shekleton

Registration No. 27,466

Date: **June 18, 2007**

WELSH & KATZ, LTD.

120 South Riverside Plaza

22nd Floor

Chicago, Illinois 60606-3913

Telephone: 312/655-1500

Attorney Docket No. 1110/94198

Form PTO-1449
(Rev. 8-88)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.

Serial No.

94198

10/533,147

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant

Maeda et al.

Filing Date

April 27, 2005

Group No.

TBA

U.S. PATENT APPLICATION DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	US 6,565,822	5/20/2003	Hoshi et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	JP2001-039797	2/13/2001	JAPAN			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	T Sato, "Effect of LAD on Epitaxial wafer", <i>Silicon Technology</i> , No. 16, 24 th April, 2000, 16 th Meeting of Silicon Technology Division, The Japan Society of Applied Physics [partial translation]
	Asayama, et al., "Point Defect Behavior in Heavily Boron Doped Silicon Single Crystals", <i>Extended BSTRACTS (THE 60TH Autumn Meeting, 1999)</i> , The Japan Society of Applied Physics, No. 0, "3p-ZY-4". [partial translation]
	Dornberger, et al. "Influence of boron concentration on the oxidation-induced stacking fault ring in Czochralski silicon crystals", <i>Journal of Crystal Growth</i> , 180 (1997) pp 343-352

Examiner

Date Considered

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.